## Index of Claims



Application No.

10/059,093 Examiner

BROWN ET AL

Art Unit

Applicant(s)

Ting Zhou

2173

√ Rejected
= Allowed

(Through numeral)
Cancelled

Restricted

Non-Elected

Interference

A Appeal
O Objected

| Cla      | aim      | n Date   |              |          |        |             |         |        | _           |     | Cla | im.      | Date     |           |        |                         |                         |               |  | CI            | aim              | Date     |          |          |          |              |                 |        |        |        |                |        |   |
|----------|----------|----------|--------------|----------|--------|-------------|---------|--------|-------------|-----|-----|----------|----------|-----------|--------|-------------------------|-------------------------|---------------|--|---------------|------------------|----------|----------|----------|----------|--------------|-----------------|--------|--------|--------|----------------|--------|---|
|          |          | 5        |              |          |        |             |         |        | $\neg$      |     |     |          | 74       |           |        | 7                       | $\neg \top$             | $\top$        | 1  | T             | T                |          |          |          |          |              |                 |        |        |        | T              | 7      | _ |
| Final    | Original | F118164  |              |          | Ì      |             | ١ }     | ١ }    | - 1         |     |     | Final    | Original |           | - 1    | -                       |                         | -1            | ł  | . }           |                  |          | Final    | Original |          |              | ļ               | Į      | }      | - }    | į              | - 1    |   |
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|          | (1)      | V        |              |          |        |             |         |        |             |     |     |          | 51       |           |        | $\neg$                  | T                       |               |  | 7             |                  |          |          | 101      |          |              |                 |        |        |        |                | 7      | _ |
|          | 2        | 1        |              |          |        | $\neg$      |         |        |             |     |     |          | 52       |           | $\neg$ | $\neg$                  | $\neg$                  | 7             | T  |               | T                |          |          | 102      |          |              |                 |        | $\neg$ |        |                |        |   |
|          | 3        | П        | 1            | $\neg$   | ٦      | $\neg \neg$ |         | T      | $\neg \neg$ | _   |     |          | 53       |           |        | 7                       | T                       | 7             | 7  | $\neg \vdash$ |                  | 1        |          | 103      |          |              |                 | $\neg$ | $\neg$ |        |                | $\neg$ | _ |
|          | 4        | П        |              |          |        |             |         |        |             |     |     |          | 54       |           |        | $\top$                  |                         | $\neg \vdash$ | T  | $\top$        |                  |          |          | 104      |          |              |                 |        |        |        | T              |        | _ |
| i        | 5        | П        |              |          | _      | $\neg$      | $\neg$  |        | $\Box$      |     |     |          | 55       |           | $\neg$ |                         |                         | $\top$        | T  | 7             | Т                |          |          | 105      |          |              |                 |        | ヿ      |        | $\exists$      | $\neg$ |   |
|          | 6        | 1        |              |          | 7      |             |         |        |             |     |     |          | 56       |           | $\neg$ |                         | $\top$                  | $\neg$        |  | $\top$        | 7                |          |          | 106      |          |              |                 |        | ٦      |        |                | $\neg$ | _ |
|          | 7        |          |              |          |        |             |         |        |             |     | r   |          | 57       |           |        | $\exists$               |                         | T             | T  |               |                  |          |          | 107      |          |              |                 |        |        |        | $\neg$         | $\neg$ |   |
|          | 8        | $\prod$  |              |          |        |             |         |        |             |     |     |          | 58       |           |        |                         |                         |               | 1.   |               | 1.               |          |          | 108      |          |              |                 |        |        | $\neg$ |                |        |   |
|          | (9)      | $\Pi$    |              |          |        |             |         |        |             |     |     |          | 59       |           |        |                         |                         |               | Т  | _]_           |                  |          |          | 109      |          |              |                 |        |        |        | $\Box$         |        | _ |
|          | 10       | П        |              |          |        |             |         |        |             |     |     |          | 60       |           |        |                         |                         | T             | 7  | _[_           | Π                |          |          | 110      |          |              |                 |        | 7      |        | $\neg$         |        |   |
|          | 11       | $\prod$  |              |          |        | _7          | _7      |        | _1          |     |     |          | 61       |           | $\Box$ | T                       | $\Box$ T                |               | floor  |               | $\mathbf{I}^{-}$ | }        |          | 111      |          |              |                 |        |        |        | $\Box$         |        | _ |
|          | 12       | $\prod$  |              |          |        |             |         |        |             |     |     |          | 62       |           | $\Box$ | $\Box$                  | $\Box$                  | $\Box$        | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$  |               | oxdot            | ]        |          | 112      |          |              |                 |        |        |        | $\Box$         |        | _ |
|          | .13      | $\prod$  | L            |          |        | $\Box$      |         |        | $_{\perp}$  |     |     |          | 63       |           |        | $_{ m I}$               |                         | $\Box$        | $oldsymbol{ol}}}}}}}}}}}}}}}}$ |               | $\perp$          | 1        |          | 113      |          |              |                 |        |        |        |                |        | _ |
|          | 14       | $\prod$  |              |          | $\Box$ |             |         |        |             | ]   |     |          | 64       |           | $\bot$ |                         | $oldsymbol{\mathbb{I}}$ | $\Box$        | $\perp$  |               |                  |          |          | 114      |          |              |                 |        | $\Box$ |        |                |        | _ |
|          | 15       | $\prod$  |              |          | $\Box$ |             |         |        |             |     |     |          | 65       |           | $\Box$ | $oldsymbol{\mathbb{I}}$ | $\Box$                  | $\Box$        | $oldsymbol{\mathbb{I}}$  | $\int$        | I                |          |          | 115      |          |              |                 |        |        |        | $ \mathbb{J} $ |        | _ |
| [·       | 16、      | $\prod$  |              |          |        |             |         |        |             |     |     |          | 66       |           |        |                         |                         |               | $\Box$   |               |                  |          |          | 116      |          |              |                 |        |        |        |                |        |   |
|          | (7)      | П        | $\Gamma$     |          |        |             |         |        |             |     |     |          | 67       |           |        |                         |                         |               |  |               |                  |          |          | 117      |          |              |                 |        |        |        |                |        |   |
|          | 18       | $\prod$  |              |          |        |             |         |        |             |     |     |          | 68       |           |        |                         |                         |               | $\perp$  | $\perp$       |                  | ]        |          | 118      |          |              |                 |        |        |        | $\Box$         |        |   |
|          | 19       | П        |              |          |        |             |         |        |             |     |     | L        | 69       |           |        |                         |                         |               | $\perp$  | $\perp$       |                  |          |          | 119      |          |              |                 |        |        | -      |                |        |   |
|          | 20       | П        |              |          |        |             |         |        |             |     | )   |          | 70       |           |        |                         |                         |               | $\perp$  |               |                  | ]        |          | 120      |          |              |                 |        |        |        |                |        |   |
|          | 21       | $\prod$  |              |          |        |             |         |        |             |     |     |          | 71       |           |        |                         |                         |               |  |               | $\perp$          |          |          | 121      |          |              |                 |        |        |        |                |        |   |
|          | 22       | $\prod$  |              |          |        |             |         |        |             |     |     |          | 72       |           |        |                         |                         |               |  | $\perp$       |                  |          |          | 122      |          |              |                 |        |        |        |                |        |   |
|          | 23       | -1       |              |          |        |             |         |        |             |     |     |          | 73       |           |        | _1                      |                         |               | _Ĺ   |               |                  | ]        |          | 123      |          |              |                 |        |        |        |                | _      |   |
|          | 24       | /        |              |          |        |             |         |        |             |     |     |          | 74       |           |        |                         | $\Box$                  |               |  | $\perp$       |                  |          |          | 124      |          |              |                 |        |        |        |                |        |   |
|          | 25       |          | L            |          |        |             |         |        |             |     |     |          | 75       | Ш         |        |                         |                         | $\perp$       |  |               | L                |          |          | 125      |          |              |                 |        |        |        | _              |        | _ |
|          | 26       |          |              |          |        |             |         |        |             |     |     |          | 76       |           |        |                         |                         |               | $\prod$  |               | $\perp$          |          |          | 126      |          |              |                 |        |        |        |                |        |   |
| <u> </u> | 27       |          |              |          |        |             |         |        |             |     |     |          | 77       |           |        |                         |                         |               |  |               | $\perp$          |          |          | 127      |          |              |                 |        |        |        |                |        |   |
|          | 28       |          |              |          |        |             |         |        |             |     |     |          | 78       |           |        |                         |                         |               | L  | $\perp$       |                  | ]        |          | 128      |          |              |                 |        |        |        |                |        |   |
|          | 29       |          | Γ            |          |        |             |         |        | _           |     |     |          | 79       |           | ·      |                         |                         |               | $\perp$  |               |                  |          |          | 129      |          |              |                 |        |        |        |                |        |   |
|          | 30       |          |              |          |        |             |         |        |             |     |     |          | 80       |           |        |                         |                         |               |  |               |                  | ]        |          | 130      |          |              |                 |        |        |        |                |        |   |
|          | 31       |          |              |          |        |             |         |        |             |     |     |          | 81       |           |        |                         |                         |               |  |               | L                |          |          | 131      |          |              |                 |        |        |        |                |        |   |
|          | 32       |          | $\Box$       |          |        |             |         |        |             |     |     |          | 82       |           |        |                         |                         |               |  |               |                  |          |          | 132      |          |              |                 |        |        |        |                |        |   |
|          | 33       |          | L            |          |        |             |         |        |             |     |     |          | 83       |           |        |                         |                         | $\perp$       |  |               | _                |          |          | 133      |          |              |                 |        | _}     |        |                |        |   |
|          | 34       | L        | L            |          |        |             |         |        |             |     |     |          | 84       | $\Box$    | $\bot$ | $\Box$                  | $\perp$                 |               |  |               | $\perp$          |          |          | 134      | <u> </u> |              |                 |        |        |        |                |        | _ |
|          | 35       | Ļ        |              |          |        | $\square$   |         |        |             |     |     |          | 85       | _         | _      | $\dashv$                | _                       |               | 1  | $\perp$       | 1_               | _        |          | 135      |          | $oxed{oxed}$ | Ш               |        |        |        | [              | _      |   |
|          | 36       | _        | <u> </u>     |          | $\Box$ | $\Box$      |         |        | [           |     |     |          | 86       | $\sqcup$  | _      |                         |                         |               | _[_  | 4             | _                |          |          | 136      | L_       |              | $\sqcup \sqcup$ |        | _      |        | _[             | [      |   |
| L        | 37       | ot       | $\vdash$     |          |        |             |         |        |             |     |     | <u> </u> | 87       | $\sqcup$  | _      | $\dashv$                | 4                       | $\perp$       | 4  | 4             | 1_               |          | <u> </u> | 137      | L        | Ш            |                 |        |        |        |                |        | _ |
|          | 38       | _        | 1_           |          |        |             |         |        |             |     |     |          | 88       |           |        | $\dashv$                | _                       | _             | 1  | _ _           | $\perp$          | 1        |          | 138      |          |              | $\Box$          |        |        |        | _              |        |   |
| <u></u>  | 39       | <u> </u> | <u>_</u>     |          |        |             |         |        |             |     |     |          | 89       | Ŀ         | _      | _                       |                         |               | _  | 1             | $\perp$          |          |          | 139      |          |              |                 |        |        |        |                |        |   |
|          | 40       | L        | $oxed{oxed}$ |          |        | $\Box$      |         |        | $\Box$      |     |     |          | 90       | Ш         | _      | $\perp$                 | _                       | _             | $\bot$   | _ _           | 1                |          |          | 140      | <u> </u> |              |                 |        | _      |        | $\perp$        |        |   |
|          | 41       | $\perp$  | _            |          |        |             |         |        |             |     |     |          | 91       |           |        | _                       | _                       | $\perp$       | _  |               | 1                |          | L        | 141      | Ĺ_       | Ш            | Ш               |        |        |        |                | _      |   |
| L        | 42       | L        | <u></u>      | Ш        |        |             |         |        | $\Box$      |     |     |          | 92       | Ш         | _      | $\dashv$                | _                       | _             | 4  | 1             | 4-               | <b>.</b> | <u> </u> | 142      | <u> </u> |              | Ш               |        | _      |        | _              | _      |   |
| <u> </u> | 43       | $\vdash$ | 1_           | $\Box$   |        |             |         | $\Box$ |             | Ĺ., | l   |          | 93       |           | _      | _                       | _                       | 4             | 4  | 4             | 1                | ]        |          | 143      |          | L            | L_              |        | _]     | L      | $\perp$        | _      |   |
| <u> </u> | 44       | 1        | <u> </u>     |          |        |             |         |        |             |     |     |          | 94       |           | _      |                         |                         | $\perp$       | _  | 4_            | _                | 1        |          | 144      | <u> </u> | Ш            |                 |        |        |        |                | _      | _ |
|          | 45       | L        | _            |          |        | $\Box$      |         |        |             |     |     |          | 95       | $\square$ |        | 4                       | _                       | $\dashv$      | _  | _ _           | 1_               | 1        |          | 145      | L_       |              |                 | ئـــا  |        |        | _[             | _      |   |
| L        | 46       | <u>_</u> | $\vdash$     |          |        |             |         |        | -1          |     |     | L        | 96       |           | _      | _                       | _                       | 4             | 4  | 1             | 4                | [        |          | 146      | <u> </u> | Ш            | $\perp$         |        |        |        | $\perp$        |        |   |
| <u> </u> | 47       | $\vdash$ | L_           | $\Box$   |        | $\Box$      |         |        |             |     |     |          | 97       | Ш         | _      | 4                       | _                       | _             | 4  |               |                  |          |          | 147      | <u> </u> |              |                 |        |        |        | _              | ]      | _ |
|          | 48       | _        |              | $\sqcup$ |        | $\Box$      |         |        |             |     |     |          | 98       | $\square$ | _      | _                       | _                       | _             | _  | 4             | 4_               |          |          | 148      | _        | Ш            | Ш               |        | ]      |        | _[             | _]     |   |
|          | 49       | <u> </u> | 1_           |          |        |             |         |        |             |     |     |          | 99       | Ш         | _      | _                       | $\dashv$                | 4             | _  | 4             | -                |          | <u> </u> | 149      | _        | $\square$    | $oxed{\Box}$    | Ш      |        | $\Box$ | $\perp$        |        |   |
| L        | 50       | <u>Ĺ</u> | _            | لـــا    |        |             | $\perp$ | لـــا  |             |     |     | L'       | 100      | لبــا     |        | لـــــ                  | $\bot$                  |               | _L   |               |                  | ]        | L        | 150      | <u> </u> | Ш            |                 | لسا    |        |        |                | _      |   |